



PATENT

Case Docket No. TRIPEP.007CP3C1

Date: September 16, 2003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Matti Sallberg
Appl. No. : 10/608,541
Filed : June 27, 2003
For : LIGAND/RECEPTOR
SPECIFICITY EXCHANGERS
THAT REDIRECT
ANTIBODIES TO RECEPTORS
ON A PATHOGEN
Examiner : Unknown
Group Art Unit : Unknown

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September 16, 2003

(Date)

Eric S. Furman, Ph.D., Reg. No. 45,664

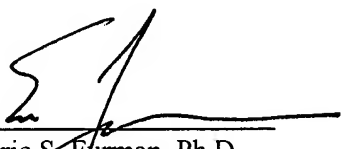
TRANSMITTAL LETTER

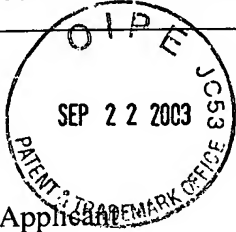
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application are:

- (X) An Information Disclosure Statement.
- (X) A PTO Form 1449 with one hundred fifty-six (156) references listed, fifty (50) of which are enclosed.
- (X) The Commissioner is hereby authorized to charge any additional fees, which may be required, or credit any overpayment, to Account No. 11-1410.
- (X) Return prepaid postcard.


Eric S. Furman, Ph.D.
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**INFORMATION DISCLOSURE STATEMENT**

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Group Art Unit : Unknown

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Alexandria, VA 22313-1450

Dear Sir:

Enclosed is form PTO-1449 listing one hundred fifty-six (156) references, fifty (50) of which are enclosed. One hundred six (106) of the listed references, which are not enclosed, were cited and submitted in related application no. 09/664945 filed September 19, 2000, which priority is relied upon under 35 U.S.C. § 120. No copies of the references are required under 37 C.F.R. § 1.98(d) for these one hundred six (106) references.

This Information Disclosure Statement is being filed within three months of the filing date of this application and no fee is required in accordance with 37 C.F.R. § 1.97(b)(1), (b)(2), or (b)(4).

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 9/16/2003

By: 

Eric S. Furman, Ph.D.
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Attorney of Record
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FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
TRIPEP.007CP3C1APPLICATION NO.
10/608,541INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT
Matti SällbergFILING DATE
June 27, 2003GROUP
Unknown

U.S. PATENT DOCUMENTS

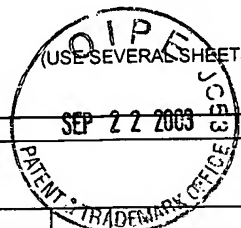
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	1	4,169,138	09/25/79	Jonsson		
	2	4,376,110	03/08/83	David et al.		
	3	4,471,058	09/11/84	Smith et al.		
	4	4,486,530	12/04/84	David et al.		
	5	4,589,881	05/20/85	Pierschbacher et al.		
	6	4,946,778	08/07/90	Ladner et al.		
	7	5,091,513	02/25/92	Huston et al.		
	8	5,175,096	12/29/92	Hook et al.		
	9	5,189,015	02/23/93	Hook et al.		
	10	5,196,510	03/23/93	Rodwell et al.		
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	12	5,320,951	06/14/94	Hook et al.		
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	14	5,440,014	08/08/95	Hook et al.		
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	27	5,776,712	07/07/98	Kuusela et a.		
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	29	5,840,846	11/24/98	Hook et al.		
	30	5,843,774	12/01/98	Ginsberg		

EXAMINER

DATE CONSIDERED

*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. TRIPEP.007CP3C1	APPLICATION NO. 10/608,541
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)		APPLICANT Matti Sällberg	
		FILING DATE June 27, 2003	GROUP Unknown



U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	31	5,846,536	12/08/98	Bissell et al.			
	32	5,866,541	02/02/99	Hook et al.			
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	34	5,888,738	03/30/99	Hendry			
	35	5,929,220	07/27/99	Tong et al.			
	36	5,942,606	08/24/99	Lal et al.			
	37	5,955,078	09/21/99	Burnham et al.			
	38	5,980,908	11/09/99	Hook et al.			
	39	5,981,274	11/09/99	Tyrell et al.			
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	41	6,030,613	02/29/00	Blumberg et al.			
	42	6,040,137	03/21/00	Sällberg			
	43	6,066,648	05/23/00	Duggan et al.			
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	56	2003/0021789A1	01/30/03	Xu et al.			
	57	2003/0044418A1	03/06/03	Davis et al.			


FOREIGN PATENT DOCUMENTS

EXAMINER		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
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EXAMINER

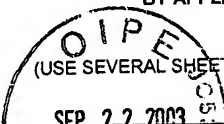
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INITIAL							YES	NO
	58	0 182 546 A2	05/28/86	EP				
	59	0 508 427 A	10/14/92	EP				
	60	WO 93/15210	08/05/93	WIPO				
	61	WO 93/17044	09/02/93	WIPO				
	62	WO 94/13804	06/23/94	WIPO				
	63	WO 95/08577	03/30/95	WIPO				
	64	WO 95/22249 A	05/11/00	PCT				
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	66	WO 98/03543	01/29/98	WIPO				
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	68	WO 99/27109	06/03/99	WIPO				
	69	WO 99/61041 A	12/02/99	PCT				
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	72	WO 01/81421	11/01/01	WIPO				
	73	WO 02/24887	03/28/02	WIPO				

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
	74 Barbas et al., "Assembly of combinatorial antibody libraries on phage surfaces: The gene III site," <i>Proc Natl Acad Sci USA</i> , 88:7978-7982, (1991).
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EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
83	Database Genseq 'Online! October 21, 1991, Asahi Chemical Ind. KK: "L-chain variable region of plasminogen activator antibody" XP002183673, Accession AAP61027 (published in JP11729000)
84	Database Genseq 'Online! January 8, 1993, Clonatec SA: "Hepatitis B virus HBc antigen II," XP002183674, Accession AAR25272 (published in EP494825)
85	Database Genseq 'Online! July 1, 1993, Cytel Corp: "Cytotoxic T-lymphocyte inducing peptide 802.03." XP002183675, Accession AAR33488
86	Database WPI, Section Ch., Week 199713, Derwent Publications Ltd., London, GB: Class B04, AN 1997-140911, XP002183678 & JP 09 020798 A (Asahi Kasei Kogyo KK) January 21, 1997, abstract
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91	Flock, "Extracellular-Matrix-Binding Proteins as Targets for the Prevention of Staphylococcus Aureus Infections," <i>Molecular Medicine Today</i> , 5(12):532-537 (1999).
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95	Greenspan et al., <i>Nature Biotechnology</i> , 7:936-937 (1999)
96	Haseltine, "Replication and Pathogenesis of the AIDS Virus," <i>Journal of Acquired Immune Deficiency Syndromes</i> , 1(3):217-240 and 231-236, (1988).
97	Henschen et al., "Amino acid sequence of human fibrin. Preliminary note on the Completion of the β -Chain Sequence," <i>Z. Physiol. Chem.</i> , 358(12):1643-1646 (1977).
98	Holliger et al., "Diabodies: Small Bivalent and Bispecific Antibody Fragments," <i>Proc Natl Acad Sci USA</i> , 90(14):6444-6448, (1993).
99	Huse et al., "Generation of a large combinatorial library of the immunoglobulin repertoire in Phage Lambda," <i>Science</i> , 256:1275-1281 (1989)
100	Jin et al., "Expression, Isolation, and Characterization of the Hepatitis C Virus ATPase/RNA Helicase," <i>Archives of Biochemistry and Biophysics</i> , 323:47-53 (1995)
101	Katada et al., "A Novel Peptide Motif for Platelet Fibrinogen Receptor Recognition," <i>J. Biol. Chem.</i> , 272(12):7720-7726 (1997).
102	Kreitman et al., "Immunotoxins for targeted cancer therapy," <i>Advanced Drug Delivery Reviews</i> , 31:53-88 (1998).
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EXAMINER

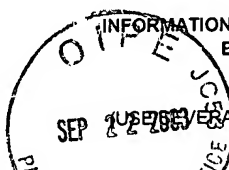
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EXAMINER INITIALS	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	105	Lazdina et al., Journal of Virology, 75(14):6367-6374 (2001)
	106	Leanna & Hannink, "The reverse two-hybrid system: a genetic scheme for selection against specific protein/protein interactions," <i>Nucl. Acid Res.</i> , 24:3341-3347 (1996)
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	108	Levi et al., "A complementarity-determining region synthetic peptide acts as a miniantibody and neutralizes human immunodeficiency virus type 1 in vitro," <i>Proc Natl Acad Sci USA</i> , 90(10):4374-4378, (1993).
	109	Lew et al., "Site-directed immune responses in DNA vaccines encoding ligand-antigen fusions," <i>Vaccine</i> , England, Vol. 18, No. 16, pp. 1681-1685 (2000).
	110	Lottspeich et al., "Amino acid sequence of human fibrin. Preliminary note on the Completion of the gamma-Chain Sequence," <i>Z. Physiol. Chem.</i> , 358(7):935-938 (1977)
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	127	Salfeld et al., "Antigenic determinants and functional domains in core antigen and e antigen from hepatitis B virus," <i>Journal of Virology</i> , 63(2):798-808 (1989)
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	132	Sällberg et al., "Synthetic peptides as mini antibodies," Peptides: Chemistry and Biology , eds. Hodges, R. and J. Rivier, ESCOM, Leiden, pp. 715-718 (1993)
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	136	Sällberg, M. "Synthetic Peptides That Bind to the Hepatitis B Virus Core and E Antigens," U.S. Patent Application Serial Number 10/153,271, Filed May 21, 2002.
	137	Saragovi et al., "Design and Synthesis of a Mimetic from an Antibody Complementarity-Determining Region," <i>Science</i> , 253(5021):792-795 (1991).
	138	Schodel et al., "Structure of Hepatitis B Virus Core and e-antigen," <i>The Journal of Biological Chemistry</i> , 268:1332-1337 (1993)
	139	Sequence alignment of Genseq sequence alignment of instant SEQ. ID NO.: 28 with the antihuman parathyroid hormone-related protein of JP04228089-A, Kaneka Corp., (08/18/92), ID NO.: AR27008
	140	Sequence alignment of Genseq sequence alignment of instant SEQ. ID NO.: 29 with anti-DNA antibody 7b3 heavy chain variable region of WO 96/36361-a1. University of Michigan, (08/12/97) ID NO: AAW04593
	141	Sequence alignment of Genseq sequence alignment of instant SEQ. ID NO.: 33 with anti-proenkephalin antibody PE-19 of WO 9606863, University of Dundee (10/09/96) ID NO: AAR91370
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EXAMINER	DATE CONSIDERED
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)		APPLICANT Matti Sällberg	
		FILING DATE June 27, 2003	GROUP Unknown

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	148	Watt et al., "Amino Acid Sequence of the β Chain of Human Fibrinogen," <i>Biochemistry</i> , 18(1):68-76 (1979).
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